

Peninsula Boulevard Groundwater Plume

New York

EPA ID#: NYN000204407

EPA REGION 2

Congressional District(s): 04

Nassau
Hewlett, NY

NPL LISTING HISTORY

Proposed Date: 3/7/2004

Final Date: 8/23/2004

Site Description

The Peninsula Boulevard Groundwater Plume Site is a tetrachloroethylene (PCE or perc) groundwater plume located in Hewlett, NY, which has an unknown source.

The groundwater flows towards the northwest, in the direction of the Long Island American Water Plant 5 Well Field, a source of drinking water. Since April 1991, the Plant 5 well water has been treated by a packed tower aeration system (i.e., air stripper).

The EPA proposed the Site on the National Priorities List (NPL) on March 7, 2004. The NPL is the list of national priorities among the known releases or threatened releases of hazardous substances, pollutants, or contaminants throughout the United States and its territories. The NPL is intended primarily to guide the EPA in determining which sites warrant further investigation. The Peninsula Boulevard Groundwater Plume Site was listed on the NPL on August 23, 2004.

Site Responsibility: This site is being addressed through Federal actions.

Threat and Contaminants

The groundwater is contaminated with up to 6,000 micrograms/liter (µg/L) tetrachloroethylene (PCE or perc.)

Cleanup Approach

The entire Site is being addressed in a single long-term remedial phase focusing on the cleanup of the entire Site.

Response Action Status

Entire Site:

EPA is conducting a Remedial Investigation and Feasibility Study (RI/FS) at the Site. The RI will determine the nature and extent of the contamination at the Site and the FS will identify and evaluate remedial alternatives. A Public Meeting will be held to discuss the results of the RI. Once the FS is completed, EPA will prepare a proposed plan which will describe the remedial options considered and identify EPA's preferred option. The Proposed Plan is anticipated to be completed early in 2008. Once the Proposed Plan is released by EPA, there will be a 30-day public-comment period and a public meeting will be held. After the public comment period, EPA will issue a Record of Decision (ROD) documenting the selected remedy. EPA will address all comments received in a Responsiveness Summary which will be attached to the ROD.

Site Facts:

The Site was referred to EPA after NYSDEC concluded that the contamination present in the groundwater did not originate from the former Grove Cleaners. EPA conducted air sampling at the North Woodmere Middle School to determine if the air in the school was being impacted from vapor intrusion from the PCE plume. The results of the air sampling indicated that the school was not impacted by the plume.

Cleanup Progress

EPA sampled the indoor and ambient air at the North Woodmere Middle School on April 8, 2004 using the TAGA air monitoring bus (see below). EPA sampled the air throughout the building, including classrooms, the auditorium and the basement. The air was extracted through a hose into the bus where it was analyzed by a mass spectrometer. PCE (perc) was not detected in any significant quantities.

EPA began a Remedial Investigation/Feasibility Study at the site in August 2006 in order to determine the nature and extent of the contamination in the groundwater and to develop remedial alternatives to address the contamination.

EPA has completed field work at the Site, including the sampling of groundwater, and is currently preparing a Data Evaluation Report on which the Remedial Investigation report will be based. In March, 2008, EPA will sample air from under the slabs of residences that have proximity to the groundwater plume to determine if any vapors are entering residences. If vapors are detected above health-based levels, remedial systems will be installed in the affected residences.

Site Repositories

USEPA Records Center 290 Broadway, 18th floor New York, NY 10007 (212) 637-4308